Cubital Venipuncture

(A) Skin and subcutaneous tissue
Cephalic vein of arm
Cubital fossa
Cephalic vein of forearm
Median antebrachial vein (median vein of forearm)
Median epicondyle
(B) Skin and subcutaneous tissue
Medial cutaneous nerve of forearm
Basilic vein of forearm
Basilic vein of arm
Basilic vein covering biceps brachii
Cephalic vein of arm
Cephalic vein of forearm
Lateral cutaneous nerve of forearm
Medial cubital vein
Median cubital vein
Perforating vein
Bicipital aponeurosis
Antebrachial fascia

Anterior views

2006 Moore & Dalley COA
Intercostal Nerve Block

- external intercostal muscle
- internal intercostal muscle
- intercostal nerve and vessels
- collateral branches of intercostal nerve and vessels
- costal groove
- innermost intercostal muscle

2006 Moore & Dalley COA
Breast Cancer

Advanced Breast Cancer

“Orange skin”
Dimpling of skin
Suspensory ligaments
Cancer
Lactiferous ducts
Retraction of nipple

Normal

Fat lobule
Lactiferous sinus
Areola
Nipple

Alveolus
2nd rib
Retromammary space (bursa)
Subcutaneous tissue
Pectoralis minor
Pectoralis major
4th intercostal space
Mammary gland lobules (resting)
Pectoral fascia
6th rib
Mammary gland lobules (lactating)
Medial view

1997 Lachman’s Case
Studies in Anatomy

2006 Moore & Dalley COA
Breast Cancer

**Normal craniocaudal mammogram**

- Subcutaneous fat
- Nipple
- Glandular body
- Cooper’s ligaments
- Mammillary ducts and aerolar ducts

**Oblique mammogram with carcinoma**

- Nipple
- Mass

info.med.yale.edu/intmed/cardio/imaging/references/normal_mammo_ref/craniocaudal_mammo_norm.gif

info.med.yale.edu/intmed/cardio/imaging/findings/mammo_malignant_tumor/graphics/rad2.gif
Breast Cancer

Lymphatic Drainage

Central nodes  Apical nodes  Clavicular (supraclavicular and infraclavicular) nodes
Internal jugular vein  Right jugular lymphatic trunk  Right lymphatic duct
Right bronchomediastinal lymphatic trunk  Right brachiophallic vein  Right subclavian lymphatic trunk
Supraclavicular n  Apical n  Central n
Systemic Dissemination  Transpectoral Route  Lateral n
To Internal Mammary n  Rotter’s n  Subscapular n
External mammary n  To Contraletal Breast  Subscapular n
To Rectus Sheath and Subperiitoneal Plexus  Lateral Collecting Route
Subareolar Plexus  Medial Collecting Route

Pattern of lymphatic drainage of axillary lymph nodes

Anterior (and slightly oblique) views

2006 Moore & Dalley COA

1999 Schwartz et al. Surgery